

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/582,327
Source: JFWP
Date Processed by STIC: 06/19/2006

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/582,327

DATE: 06/19/2006
TIME: 12:23:26

Input Set : E:\03500.103828 text seq listing.txt
Output Set: N:\CRF4\06192006\J582327.raw

3 <110> APPLICANT: CANON KABUSHIKI KAISHA
5 <120> TITLE OF INVENTION: Probe set and method for identifying HLA allele
7 <130> FILE REFERENCE: g10003828A
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/582,327
C--> 9 <141> CURRENT FILING DATE: 2006-06-09
9 <150> PRIOR APPLICATION NUMBER: JP2003-430553
10 <151> PRIOR FILING DATE: 2003-12-25
E--> 12 <160> NUMBER OF SEQ ID NOS: 637
14 <170> SOFTWARE: PatentIn version 3.2

Does Not Comply
Corrected Diskette Needed
(Pg -1 -7)

found 827 - See pages
(6, 7)

ERRORED SEQUENCES

196 <210> SEQ ID NO: 10
197 <211> LENGTH: 546
198 <212> TYPE: DNA
199 <213> ORGANISM: Homo sapiens
201 <400> SEQUENCE: 10gctcccaactc catgaggtat ttcttcacat ccgtgtcccg gccccggccgc
ggggagcccc 60
Enter hard Return

E--> 202 gcttcatcgc agtgggctac gtggacgaca cgcaggctgt gcgggttcgac agcgacgccc 120
E--> 203 cgagccagag gatggagccg cggcgccgt ggatagagca ggagggtccg gagtattggg 180
E--> 204 acggggagac acggaaagtg aaggcccaact cacagactca ccgagtggac ctggggaccc 240
E--> 205 tgcgcggcta ctacaaccag agcgaggccg gttctcacac cgtccagagg atgtatggct 300
E--> 206 gcgacgtggg gtcggactgg cgttccctcc gcggttacca ccagtacgcc tacgacggca 360
E--> 207 aggattacat cgccctgaaa gaggacctgc gctctggac cgcggcggac atggcagctc 420
E--> 208 agaccaccaa gcacaagtgg gaggcggccc atgtggcgg a cagttgaga gcctacctgg 480
E--> 209 agggcacgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggag acgctgcagc 540
E--> 210 gcacgg 546
407 <210> SEQ ID NO: 20
408 <211> LENGTH: 897
409 <212> TYPE: DNA
410 <213> ORGANISM: Homo sapiens
412 <400> SEQUENCE: 20atggccgtca tggcgccccc aaccctcgtc ctgctactct cggggctct
ggccctgacc 60 hard Return Enter

E--> 413 cagacctggg cgggctctca ctccatgagg tatttttca catccgtgtc cggggccggc 120
E--> 414 cgcggggagc cccgcttcat cgcagtggc tacgtggacg acacgcagtt cgtgcggttc 180
E--> 415 gacagcgcacg cccgcgcacca gaggatggag cgcggccgc cgtggataga gcaggagggt 240
E--> 416 ccggagtatt gggacgggaa gacacggaa gtgaaggccc actcacagac tcaccgagtg 300
E--> 417 gacctgggaa ccctgcgcgg ctactacaac cagagcggagg cccgttctca caccgtccag 360
E--> 418 atgatgtatg gctgcgcacgt ggggtcgac tggcgcttcc tccgcgggtt ccaccagtac 420
E--> 419 gcctacgcac gcaaggatta catgcgcctg aaagaggacc tgcgcgttgc gaccgcggcg 480
E--> 420 gacatggcag ctcagaccac caagcacaag tggaggccgg cccatgtggc ggagcagttg 540
E--> 421 agagcctacc tggaggccac gtgcgtggag tggctccgca gatacctgga gaacgggaag 600
E--> 422 gagacgctgc agcgcacgga cggcccaaa acgcataatga ctcaccacgc tgtctctgac 660

E--> 423 catgaagcca ccctgaggtg ctggggccctg agcttctacc ctgcggagat cacactgacc 720

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/582,327

DATE: 06/19/2006

TIME: 12:23:26

Input Set : E:\03500.103828 text seq listing.txt

Output Set: N:\CRF4\06192006\J582327.raw

E--> 424 tggcagcggg atggggagga ccagacccag gacacggagc tcgtggagac caggcctgca 780
 E--> 425 ggggatggaa cttccagaa gtggggcggt gtgggtgtgc ttctggaca ggagcagaga 840
 E--> 426 tacacctgcc atgtcagca tgagggtttt cccaaagcccc tcacccttag atgggag 897
 630 <210> SEQ ID NO: 30
 631 <211> LENGTH: 892
 632 <212> TYPE: DNA
 633 <213> ORGANISM: Homo sapiens
 635 <400> SEQUENCE: 30tgtcatggcg ccccgaaacc tcgtcctgct actctcgaaa gctctggccc
 tgaccaggac 60 *hard return Enter*
 E--> 636 ctggggggc ttcactcca tgaggtattt ctacacctcc gtgtcccgcc cggggccgg 120
 E--> 637 ggagccccgc ttcatcgca tggtctacgt ggacgacacg cagttcggtc ggttcgacag 180
 E--> 638 cgacgcccgcg agccggagga tgagccgcg ggcgcgtgg atagagcagg agggtccgga 240
 E--> 639 gtattgggac ggggagacac gaaaagtgaa ggcccactca cagactcacc gatggacac 300
 E--> 640 ggggaccctg cgccgtact acaaccagag cgaggccgt ttcacaccc tccagaggat 360
 E--> 641 gtatggctgc gacgtgggt cgactggcg cttectgcgc gggttaccacc agtacgccta 420
 E--> 642 cgacggcaag gattacatcg ccctgaaaaga ggacctgcgc tcttggaccc cggccggacat 480
 E--> 643 ggcagctcaag accaccaagc acaagtggga ggcggccat gtggcggagc agttgagagc 540
 E--> 644 ctacctggag ggcacgtgcg tgagtggtc ccgcagatac ctggagaac ggaaggagac 600
 E--> 645 gctcagcgc acggacccc cccaaacgc tatgactcac cacgctgtct ctgaccatga 660
 E--> 646 agccaccctg aggtgctgg ccctgagctt ctaccctgcg gagatcacac tgacctggca 720
 E--> 647 gcgggatggg gaggacca cccaggacac ggacgtcgag gagaccaggc ctgcagggg 780
 E--> 648 tggaaccttc cagaagtggg cgctgtgggt ggtgccttgc gacaggagc agagatacac 840
 E--> 649 ctgcattgtc cagcatgagg gttgcccac gcccctcacc ctgagatggg ag 892
 843 <210> SEQ ID NO: 40
 844 <211> LENGTH: 546
 845 <212> TYPE: DNA
 846 <213> ORGANISM: Homo sapiens
 848 <400> SEQUENCE: 40gctctcaactc catgaggtat ttcttcacat ccgtgtcccg gccggccgc
 ggggagcccc 60 *hard return Enter*
 E--> 849 gctcattcgc agtgggttac gtggacgaca cgcagttcggt gcggttcgac agcgacgccc 120
 E--> 850 cgagccagag gatggagccg cggggccgt ggatagagca ggagggtccg gatgtatggg 180
 E--> 851 acggggagac acggaaagtg aaggccact cacagactca ccgagtgac ctggggaccc 240
 E--> 852 tgcgcggcta ctacaaccag agcgaggccg gttctcacac cgtccagagg atgtatggct 300
 E--> 853 ggcacgtggg gtcggactgg cgcttcctcc ggggttacca ccagtacgccc tacgacggca 360
 E--> 854 agattacat cgccttgcac gaggacctgc gcttggac cgcggccggac atggcagctc 420
 E--> 855 agaccaccaa gcacaagtgg gaggcggccc atgtggcggaa gcagttgaga gcctacctgg 480
 E--> 856 agggcacgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggag acgctgcagc 540
 E--> 857 gcacgg
 1041 <210> SEQ ID NO: 50
 1042 <211> LENGTH: 546
 1043 <212> TYPE: DNA
 1044 <213> ORGANISM: Homo sapiens
 1046 <400> SEQUENCE: 50gctctcaactc catgaggtat ttcttcacat ccgtgtcccg gccggccgc
 ggggagcccc 60 *hard return Enter*
 E--> 1047 gctcattcgc agtgggttac gtggacgaca cgcagttcggt gcggttcgac agcgacgccc 120
 E--> 1048 cgagccagag gatggagccg cggggccgt ggatagagca ggagggtccg gatgtatggg 180
 E--> 1049 acggggagac acggaaagtg aaggccact cacagactca ccgagtgac ctggggaccc 240
 E--> 1050 tgcgcggcta ctacaaccag agcgaggccg gttctcacac cgtccagagg atgtatggct 300
 E--> 1051 ggcacgtggg gtcggactgg cgcttcctcc ggggttacca ccagtacgccc tacgacggca 360
 E--> 1052 agattacat cgccttgcac gaggacctgc gcttggac cgcggccggac atggcagctc 420
 E--> 1053 agaccaccaa gcacaagtgg gaggcggccc atgtggcggaa gcagttgaga gcctacctgg 480
 E--> 1054 agggcacgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggag acgctgcagc 540

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/582,327

DATE: 06/19/2006
TIME: 12:23:26

Input Set : E:\03500.103828 text seq listing.txt
Output Set: N:\CRF4\06192006\J582327.raw

E--> 1055 gcacgg 546
 1220 <210> SEQ ID NO: 60
 1221 <211> LENGTH: 619
 1222 <212> TYPE: DNA
 1223 <213> ORGANISM: Homo sapiens
 1225 <400> SEQUENCE: 60atggccgtca tggcgccccg aaccctcgtc ctgctactct cgggggctct
 ggccctgacc 60
 E--> 1226 cagacctggg cgggctctca ctccatgagg tatttttca catccgtgtc ccggccggc 120
 E--> 1227 cgcggggagc cccgcttcat cgcagtggc tacgtggacg acacgcagtt cgtcggttc 180
 E--> 1228 gacagcgacg ccgcgagcca gaggatggag ccgcggcgc cgtggataga gcaggagggt 240
 E--> 1229 cggagttt gggacgagga gacaggaaa gtgaaggccc actcacagac tcaccgagtg 300
 E--> 1230 gacctggggc ccctgcgcgg ctactacaac cagagcgagg ccggtttca caccgtccag 360
 E--> 1231 agatgtatg gctgcacgt ggggtcggac tggcgcttcc tccgcgggta ccaccagtac 420
 E--> 1232 gcctacgacg gcaaggatta catcgccctg aaagaggacc tgcgtcttg gaccgcggc 480
 E--> 1233 gacatggcag ctcagaccac caagcacaag tgggaggcgg cccatgtggc ggagcagttg 540
 E--> 1234 agagcctacc tggaggcgcgt tggctccgca gatacctgga gaacgggaag 600
 E--> 1235 gagacgctgc agcgcacgg 619
 1404 <210> SEQ ID NO: 70
 1405 <211> LENGTH: 897
 1406 <212> TYPE: DNA
 1407 <213> ORGANISM: Homo sapiens
 W--> 1408 <400> SEQUENCE: 70atggccgtca tggcgccccg aaccctcgtc ctgctactct cgggggctct
 ggccctgacc 60 *hard Return Enter*
 E--> 1409 cagacctggg cgggctctca ccccttggg tatttttaca cctccgtgtc ccggccggc 120
 E--> 1410 cgcggggagc cccgcttcat cgcagtggc tacgtggacg acacgcagtt cgtcggttc 180
 E--> 1411 gacagcgacg ccgcgagcca gaggatggag ccgcggcgc cgtggataga gcaggagggt 240
 E--> 1412 cggagttt gggacggggc gacacggaaa gtgaaggccc actcacagac tcaccgagtg 300
 E--> 1413 gacctggggc ccctgcgcgg ctactacaac cagagcgagg ccggtttca caccgtccag 360
 E--> 1414 atgatgtatg gctgcacgt ggggtcggac tggcgcttcc tccgcgggta ccaccagtac 420
 E--> 1415 gcctacgacg gcaaggatta catcgccctg aaagaggacc tgcgtcttg gaccgcggc 480
 E--> 1416 gacatggcag ctcagaccac caagcacaag tgggaggcgg cccatgtggc ggagcagttg 540
 E--> 1417 agagcctacc tggaggcgcgt tggctccgca gatacctgga gaacgggaag 600
 E--> 1418 gagacgctgc agcgcacgg cgcggccaa acgcataatga ctcaccacgc tgtctctgac 660
 E--> 1419 catgaagcca ccctgagggt ctggggccctg agcttctacc ctgcggagat cacactgacc 720
 E--> 1420 tggcagcggg atggggagga ccagacccag gacacggac tcgtggagac caggcctgca 780
 E--> 1421 gggatggaa cttccagaa gtggggggcgt gtgggtgtc cttctggaca ggagcagaga 840
 E--> 1422 tacacctgcc atgtgcacgt tgagggtttt cccaaaggcccc tcaccctgag atgggag 897
 1611 <210> SEQ ID NO: 80
 1612 <211> LENGTH: 546
 1613 <212> TYPE: DNA
 1614 <213> ORGANISM: Homo sapiens
 1616 <400> SEQUENCE: 80gcctccactc catgaggat ttcttcacat ccgtgtcccc gcccggccgc
 gggggcccc 60 *hard Return Enter*
 E--> 1617 gtttcatcgc cgtggctac gtggacgaca cgcagtttgt gcggttgcac agcgcacggc 120
 E--> 1618 cgagccagag gatggagccg cggggccgt ggatagagca ggagggggccg gagtattggg 180
 E--> 1619 accaggagac acggaatgtg aaggccactt cacaacttgc ccgacttgcac ctggggaccc 240
 E--> 1620 tgcgcggctca ctacaaccag agcgaggccg gttctcacac catccagata atgtatggct 300
 E--> 1621 ggcacgtggg gtcggacggg cgtttcccttcc gcccgttaccg gcaggacgccc tacgacggca 360
 E--> 1622 aggattacat cgcctgaac gaggacctgc gctttggac cgcggccggac atggcggctc 420
 E--> 1623 agatcaccaa ggcacgtgg gaggccggcc atgaggccga gcagttgaga gcctacctgg 480
 E--> 1624 atgcacgtg cgtggagtgg ctccgcagat acctggagaa cgggaaggag acgctgcagc 540
 E--> 1625 gcaacgg 546

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/582,327

DATE: 06/19/2006

TIME: 12:23:26

Input Set : E:\03500.103828 text seq listing.txt

Output Set: N:\CRF4\06192006\J582327.raw

1808 <210> SEQ ID NO: 90
 1809 <211> LENGTH: 897
 1810 <212> TYPE: DNA
 1811 <213> ORGANISM: Homo sapiens
 1813 <400> SEQUENCE: 90atggccgtca tggcgcccg aaccctcctc ctgctactct cggggccct
 ggcctgacc 60 *hard return Euler*
 E--> 1814 cagacctggg cgggctccca ctccatgagg tattctaca cctccgtgtc cggggccgc 120
 E--> 1815 cgcggggagc cccgcttcat cgccgtgggc tacgtggacg acacgcagtt cgtcggttc 180
 E--> 1816 gacagcgacg cgcgagcca gaggatggag cgcggggcgc cgtggataga gcaggagggg 240
 E--> 1817 cggagttt gggaccagga gacacggaaat gtgaaggccc agtcacagac tgaccgagtg 300
 E--> 1818 gacctggggc ccctgcgcgg ctactacaac cagagcgagg acggttctca caccatccag 360
 E--> 1819 ataatgtatg gctgcacgt gggccggac gggcgttcc tccgcggta cggcaggac 420
 E--> 1820 gcctacgacg gcaaggatta catgcctc aacgaggacc tgcgtcttg gaccgcggcg 480
 E--> 1821 gacatggcag ctcagatcac cgagcgcaag tggaggcgg cccatgcggc ggagcagcag 540
 E--> 1822 agagcctacc tggaggcgg gtgcgtggag tggctccgca gataccttga gaacggaaag 600
 E--> 1823 gagacgctgc agcgcacgga ccccccggaa acacatatga cccaccaccc catctctgac 660
 E--> 1824 catgaggcga ccctgaggtg ctggggccctg ggcttctacc ctgcggagat cacactgacc 720
 E--> 1825 tggcagcggg atggggagga ccagacccag gacacggagc tcgtggagac caggcctgca 780
 E--> 1826 gggatggaa cttccagaa gtggggggt gtgggggtgc cttctggaga ggagcagaga 840
 E--> 1827 tacacctgccc atgtcagca tgagggtctg cccaagcccc tcaccctgag atgggag 897
 2200 <210> SEQ ID NO: 110
 2201 <211> LENGTH: 546
 2202 <212> TYPE: DNA
 2203 <213> ORGANISM: Homo sapiens
 2205 <400> SEQUENCE: 110gctccactc catgaggat ttctccacat ccgtgtcccg gcccggccgc
 ggggagccccc 60 *hard return Euler*
 E--> 2206 gcttcatcgc cgtggctac gtggacgaca cgcagttcgat gcggttcgac agcgcacgccc 120
 E--> 2207 cgagccagag gatggagccg cggggccgt ggatagagca ggagggggcg gatattggg 180
 E--> 2208 acgaggagac agggaaatgt aaggccact cacagactga ccgagagaac ctgcggatcg 240
 E--> 2209 cgctccgcta ctacaaccag agcgaggccg gtttcacac cctccagatg atgtttggct 300
 E--> 2210 ggcacgtggg gtcggacggg cgcttcctcc ggggttacca ccagtatgccc tacgacggca 360
 E--> 2211 agattacat cgcctgaaa gaggacctgc gctttggac cgcggccggac atggccgctc 420
 E--> 2212 agatcaccaa ggcacgtgg gaggcggccc atgtggcggaa gcagcagaga gcctacctgg 480
 E--> 2213 agggcacgtg cgtggacggg ctccgcagat acctggagaa cggaaaggag acgctgcagc 540
 E--> 2214 gcacgg 546
 2379 <210> SEQ ID NO: 119
 2380 <211> LENGTH: 546
 2381 <212> TYPE: DNA
 2382 <213> ORGANISM: Homo sapiens
 2384 <400> SEQUENCE: 119
 2385 gctccactc catgaggat ttctccacat ccgtgtcccg gcccggccgc ggggagccccc 60
 2386 gcttcatcgc cgtggctac gtggacgaca cgcagttcgat gcggttcgac agcgcacgccc 120
 2387 cgagccagag gatggagccg cggggccgt ggatagagca ggagggggcg gatattggg 180
 2388 acgaggagac agggaaatgt aaggccact cacagactga ccgagagaac ctgcggatcg 240
 2389 cgctccgcta ctacaaccag agcgaggccg gtttcacac cctccagatg atgtttggct 300
 2390 ggcacgtggg gtcggacggg cgcttcctcc ggggttacca ccagtatgccc tacgacggca 360
 2391 agattacat cgcctgaaa gaggacctgc gctttggac cgcggccggac atggccgctc 420
 2392 agatcaccaa ggcacgtgg gaggcggccc atgtggcggaa gcagttgaga gcctacctgg 480
 2393 agggcacgtg cgtggacggg ctccgcagat acctggagaa cggaaaggag acgctgcagc 540
 2394 gcacgg 546
 E--> 2397 <210> SEQ ID NO: 120 <211> 546 *hard return Euler*

The type of errors shown exist throughout
 the Sequence Listing. Please check subsequent
 sequences for similar errors.

<400> 637
catctcaggg tgagggct

19

SEQUENCE LISTING B

*This appeared after
Sequence 637*

<110> CANON KABUSHI KAISHA

<120> Probe set and method for identifying HLA allele

<130> ff

<150> JP2003-430554

<151> 2003-12-25

<160> 1015

<170> PatentIn version 3.2

<210> 1

<211> 19

<212> DNA

<213> Homo sapiens

<400> 1

aggtatttct acacctccg

*This is a
portion of a
file used as
a sample.*

19

This Appeared
after Sequence
Listing B

10/582,327
pg-7

SEQUENCE LISTING MICA

```
<110> CANON KABUSHIKI KAISHA
<120> Probe set and method for identifying HLA allele
<130> g10003828mica
<150> JP2003-430559
<151> 2003-12-25
<160> 162
<170> PatentIn version 3.2
<210> 1
<211> 18
<212> DNA
<213> Homo sapiens
<400> 1
tggacagag agaccaga
```

18

↓
this is the sample
of the file.

Per 1.824 Seq Rules,
Only ¹ Sequence Listings
file is to be saved on
Computer Readable form